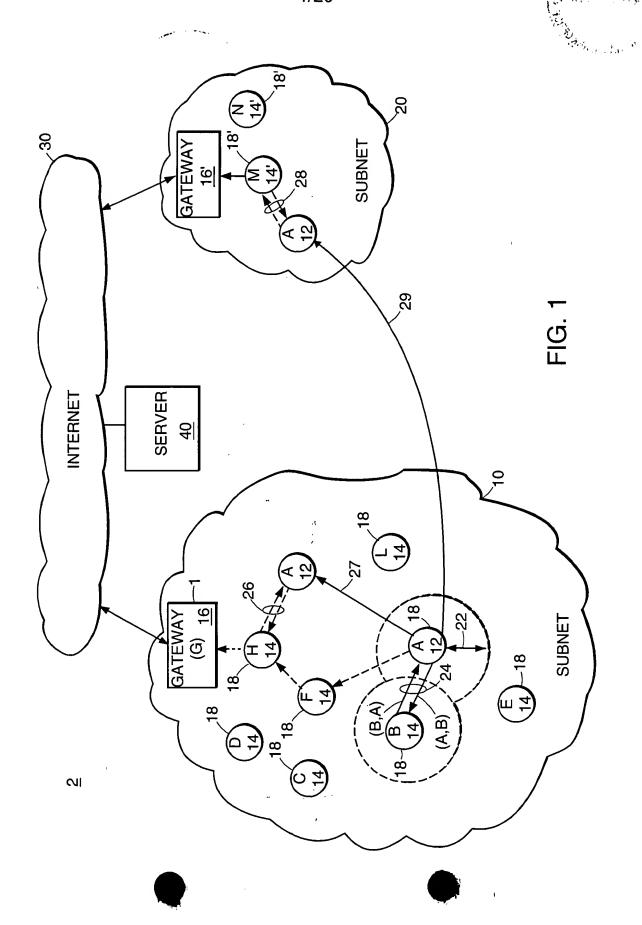
Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.
Serial No. 09/728,020
Atty/Agent: Michael A Badriages

Atty/Agent: Michael A. Rodriguez



Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



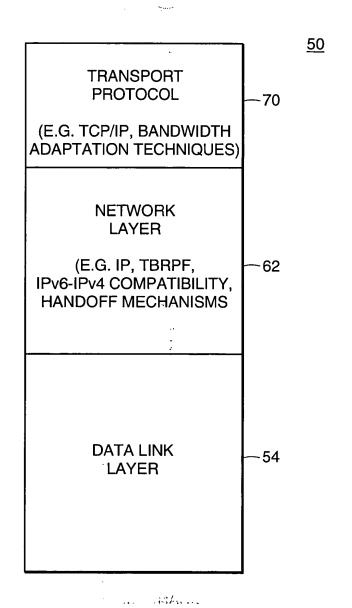
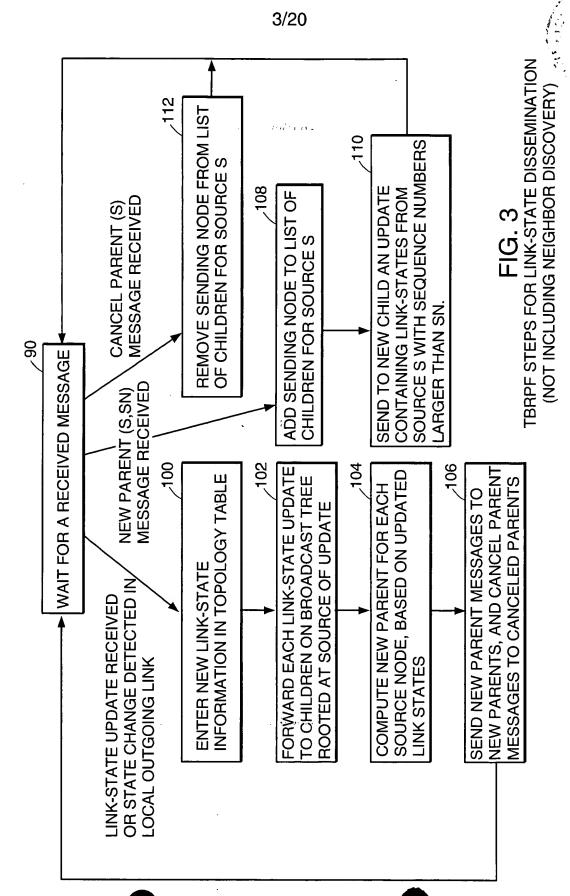


FIG. 2

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez



Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez





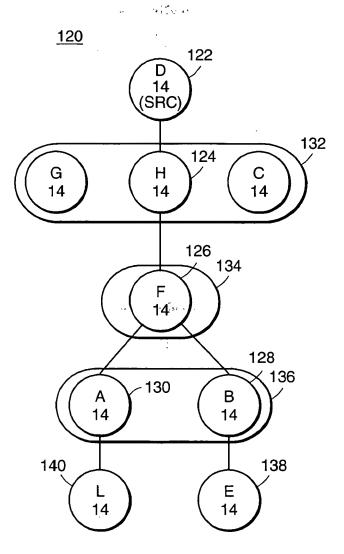
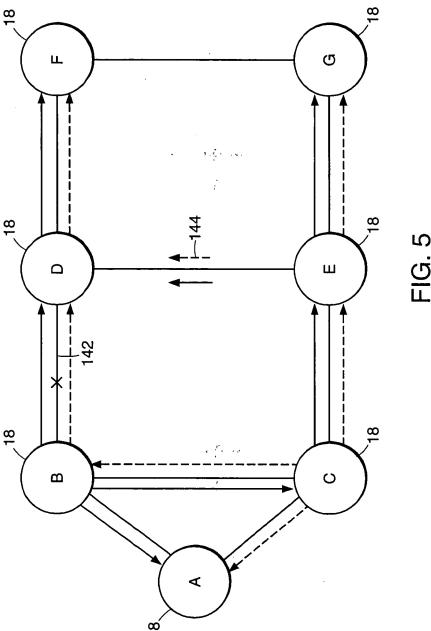


FIG. 4

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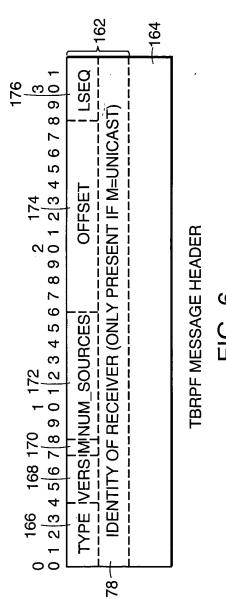




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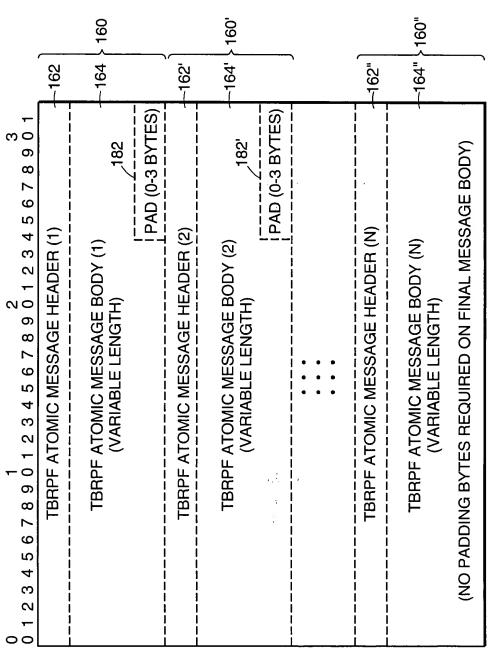


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Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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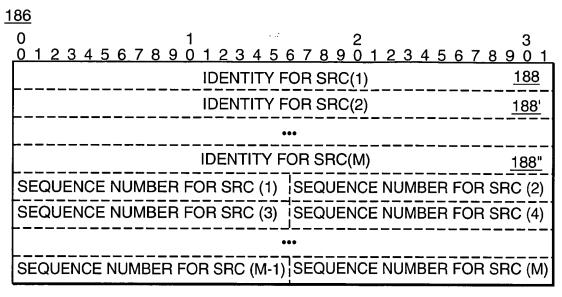


(A COMPOUND TBRPF MESSAGE)

FIG. 7

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NEW PARENT MESSAGE FIG. 8A

192

SEQUENCE NUMBER FOR SRC (M-2) SEQUENCE NUMBER FOR SRC (M-1)
SEQUENCE NUMBER FOR SRC (M)

SHOWS AN ALTERNATIVE ENDING THE NEW PARENT MESSAGE FIG. 8B

+ (1998 = J

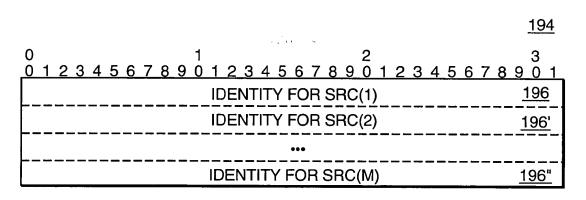
And the control of th

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al.

Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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CANCEL\_PARENT MESSAGE FIG. 9

Inventors: Ogier et al.
Serial No. 09/728,020
Atty Docket No. SRI-009B
Atty/Agent: Michael A. Rodriguez

		Calmania
	U L L	*
1	0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1	
	IDENTITY OF NODE SRC(1) 202	
	NUM_NEIGHBORS (==K[1]) 204   RESERVED	<b>1</b>
	IDENTITY FOR NBR(1) OF SRC(1) 208	
	LINK METRICS FOR NBR(1) 212   SEQUENCE # FOR SRC(1), NBR(1)	210
$\langle$	IDENTITY FOR NBR(2) OF SRC(1) 208'	
	LINK METRICS FOR NBR(2) 212'   SEQUENCE # FOR SRC(1), NBR(2)	206
	•••	210'
	IDENTITY FOR NBR(K[1]) OF SRC(1) 208"	
	LINK METRICS FOR NBR(K) 212"   SEQUENCE # FOR SRC(1), NBR(K)	210"
LSU	JA	y
(1)		
20	0 LSUA	
	LSOA √(2)	
	200'	
	IDENTITY OF NODE SRC(2) <u>202'</u>	
	NUM_NEIGHBORS (==K[2]) 204' RESERVED	
	IDENTITY FOR NBR(1) OF SRC(2)	
{	LINK METRICS FOR NBR(1)   SEQUENCE # FOR SRC(2), NBR(1)	
	•••	206'
	IDENTITY FOR NBR(K[M-1]) OF SRC(M-1)	
	LINK METRICS FOR NBR(K[M-1]) SEQUENCE # FOR SRC(M), NBR(K[M-1])	
`	I •••	y
(		
	IDENTITY OF NODE SRC(M) 202"	
	NUM_NEIGHBORS (==K[M]) 204" RESERVED	1
	IDENTITY FOR NBR(1) OF SRC(M)	
$\downarrow$	LINK METRICS FOR NBR(1) SEQUENCE # FOR SRC(M), NBR(1)	
	•••	206"
	IDENTITY FOR NBR(K[M]) OF SRC(M)	
l	LINK METRICS FOR NBR(K[M])   SEQUENCE # FOR SRC(M), NBR(K[M])	
	LSUA	
	FIG. 10A	
	200" FIG. TUA	

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

LSU	11/20	Power
(1)	1 2 3.5	220": /
222 \	20 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1	ž I°s ,
Y	IDENTITY OF NODE SRC(1) 224	
	NUM_NEIGHBORS (==K[1]) 226   SEQUENCE NUMBER FOR SRC(1)	-228
	IDENTITY FOR NBR(1) OF SRC(1) 232	
	METRICS FOR NBR(1) OF SRC(1) 234	
	IDENTITY FOR NBR(2) OF SRC(1) 232'	
	METRICS FOR NBR(2) OF SRC(1) 234'	230
	IDENTITY FOR NEDWIND OF ORDIN	
	IDENTITY FOR NBR(K[1]) OF SRC(1) 232"	
,	METRICS FOR NBR(K[1]) OF SRC(1) 234"	į
LSU		
(2) 222		
V	IDENTITY OF NODE SRC(2) 224'	]
	NUM_NEIGHBORS (==K[2]) 226'   SEQUENCE NUMBER FOR SRC(2)-	-228'
	IDENTITY FOR NBR(1) OF SRC(2)	
	METRICS FOR NBR(1) OF SRC(2)	
	IDENTITY FOR NBR(2) OF SRC(2)	:
	METRICS FOR NBR(2) OF SRC(2)	230'
	•••	
	IDENTITY FOR NBR(K[2]) OF SRC(2)	
	METRICS FOR NBR(K[2]) OF SRC(2)	
	•••	
1	IDENTITY OF NODE SRC(M) 224"	
	NUM_NEIGHBORS (==K[M]) 226"   SEQUENCE NUMBER FOR SRC(M)	-228"
	IDENTITY FOR NBR(1) OF SRC(M)	
	METRICS FOR NBR(1) OF SRC(M)	
	IDENTITY FOR NBR(2) OF SRC(M)	
	METRICS FOR NBR(2) OF SRC(M)	) 230"
	•••	
	IDENTITY FOR NBR(K[M]) OF SRC(M)	
X	METRICS FOR NBR(K[M]) OF SRC(M)	
LSU	В	V
(M) 222	FIG. 10B	
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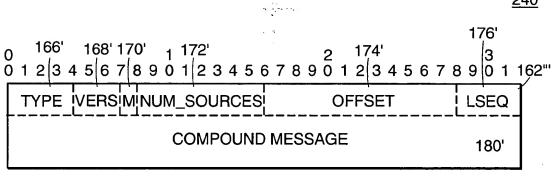
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Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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RETRANSMISSION\_OF\_BROADCAST MESSAGE FIG. 11

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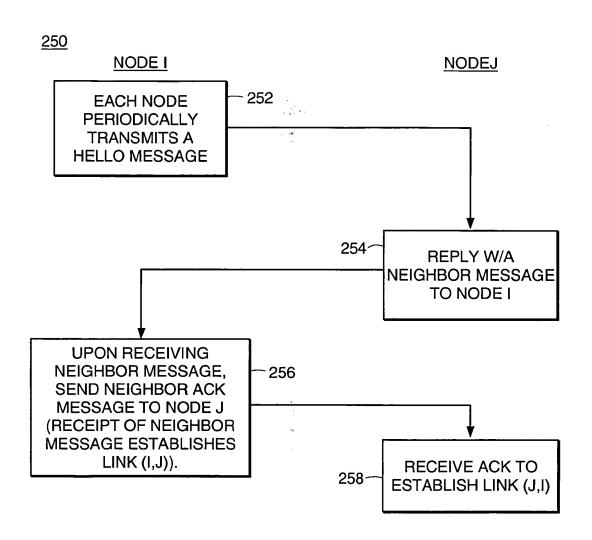


FIG. 12

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes In A Mobile Ad Hoc Network Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B

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Atty/Agent: Michael A. Rodriguez

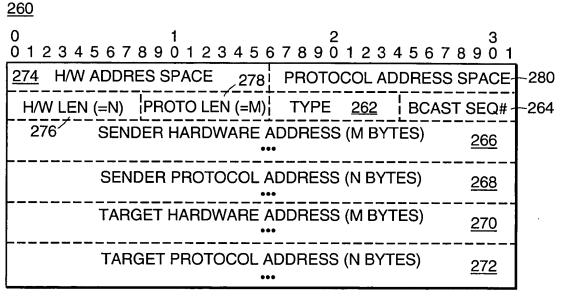


FIG. 13

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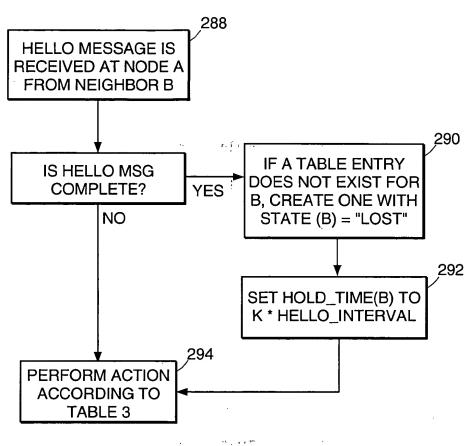
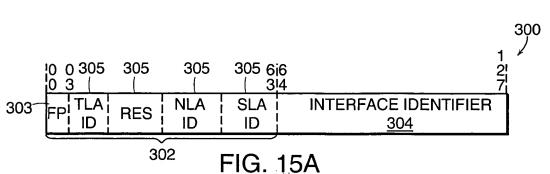


FIG. 14

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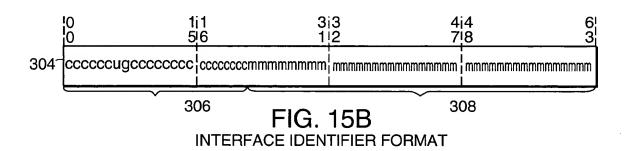


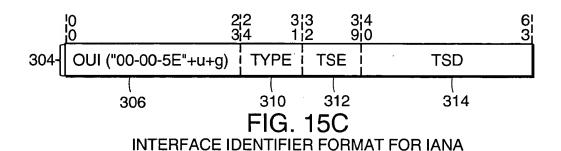
IPv6-IPv4 COMPATIBILITY ADDRESS FORMAT

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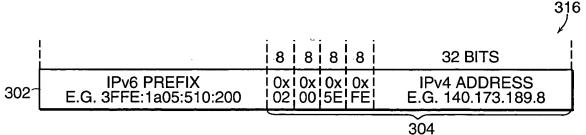
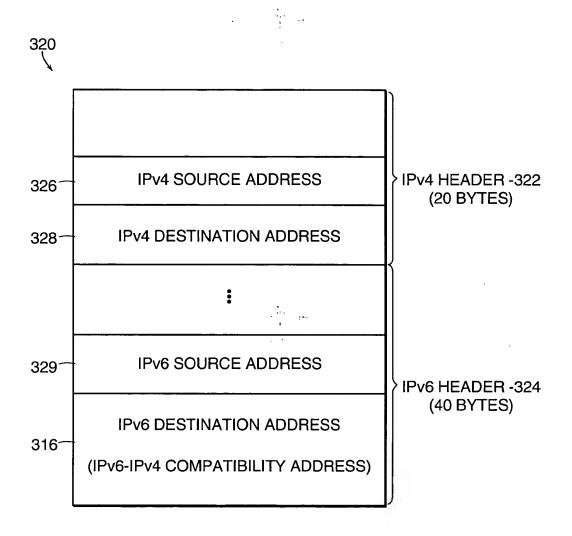


FIG. 15D

IPv6-IPv4 COMPATIBILITY ADDRESS

Inventors: Ogier et al. Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez

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FIG. 15E

Inventors: Ogier et al.
Serial No. 09/728,020
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Atty/Agent: Michael A. Rodriguez

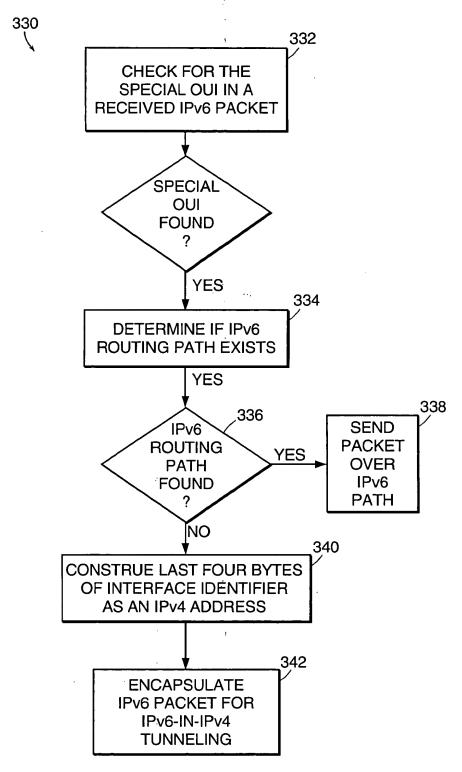


FIG. 16



Serial No. 09/728,020 Atty Docket No. SRI-009B Atty/Agent: Michael A. Rodriguez 19/20 **START** 350 **ESTABLISH** COMMUNICATION BETWEEN **CLIENT AND SERVER** 354 **IDENTIFY PACKET AS BEING SENT** 358<sub>t...</sub>... SEND PACKET 362 366 IS **ACKNOWLEDGEMENT IDENTIFY PACKET AS BEING** OF PACKET RECEIPT SUCCESSFULLY SENT **RECEIVED** DONE N 370 374 HAS MAXIMUM ATTEMPT TO RE-EXTABLISH NUMBER OF RESEND COMMUNICATION BETWEEN TRIES BEEN **CLIENT AND SERVER EXCEEDED** 378 IS COMMUNICATION Ν **BETWEEN CLIENT** AND SERVER RE-**ESTABLISHED** FIG. 17

Title: A System And Method For Disseminating Topology And Link-State Information To Routing Nodes in A Mobile Ad Hoc Network

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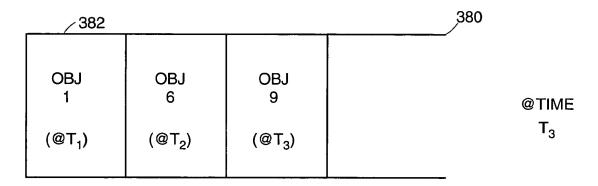


FIG. 18A

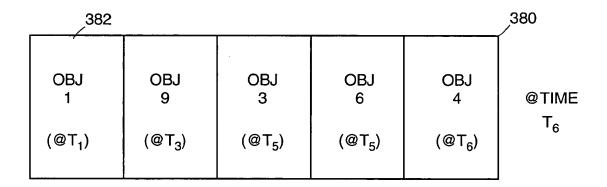


FIG. 18B